

Patent claims

1. An input element for inputting data, the input element having two rotary functions in opposite directions,
- 5 - the input element (10) having two key functions which are independent of the rotary functions, the key functions being triggered by a movement in a plane essentially perpendicularly to the plane of the rotary movement, and
- 10 - the input element (10) having an actuator wheel (11) which is supported axially on a bearing (20) so that tilting of the actuator wheel (11) out of the rotary plane on both sides is made possible.
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2. The input element as claimed in claim 1, characterized in that the key functions are implemented by pressing functions or tilting functions.
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3. The input element as claimed in one of the preceding claims, characterized in that the bearing (20) is a ball bearing.
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4. The input element as claimed in one of the preceding claims, characterized in that the input element (10) has two sensors (18, 19) for determining the tilting movement, which sensors (18, 19) are arranged on each side of the actuator wheel (11) within the tilting range.
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5. An input element as claimed in one of the preceding claims, characterized in that the actuator wheel (11) rotates in a latching or non-latching fashion.
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6. The input element ~~as~~ claimed in one of one of the preceding claims, characterized in that the

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actuator wheel (11) rotates in a freely running fashion or is provided with a stop.

- 5 7. The input element as claimed in one of the preceding claims, characterized in that the input element (10) has a sensor (17) for determining the rotary movement and direction.
- 10 8. An input device having an input element (11) defined in one of claims 1 to 7, and a display device (21) for displaying menu items and/or numbers.
- 15 9. The input device as claimed in claim 8, characterized in that the display device (21) has a large area and is preferably circular.
- 20 10. The input device as claimed in claim 8 or 9, characterized in that the menu items and/or numbers are arranged essentially along a circle.
- 25 11. The input device as claimed in one of claims 8-10, characterized in that the display has at least two different colors.
12. A telephone, in particular mobile telephone (21), having a input device which is defined as claimed in one of claims 8-11.

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